

## ABSTRACT OF THE DISCLOSURE

A pulse wave measuring apparatus obtains the N-th derivative of a measured pulse waveform. The pulse waveform is classified into waveforms  $\alpha$ - $\delta$  in accordance with the presence/absence of a shoulder (inflection point) at a rising phase of a pulse waveform of one beat, and also in accordance with the presence/absence of a shoulder in a falling phase. In each classified waveform, each calculated characteristic point of the N-th derivative corresponds to a traveling wave or reflected wave. The pulse wave measuring apparatus can calculate an AI value or the like that is the characteristic value of a pulse wave using such characteristic points and calculation equation of each waveform.